2.01

Supplement for Site Licensees: LogoWriter 2.0 for Apple II Computers

Your LogoWriter Master Disk contains the Disk Manager program. The Disk Manager performs the following functions:

- Creates LogoWriter disks for Primary and Intermediate kits.
- Creates primary and intermediate scrapbook disks for storing LogoWriter pages.
- Changes the specific printer or interface card setting on a LogoWriter disk.
- Copies disks.
- Converts LogoWriter disks in "LogoWriter DOS" format onto ProDOS disks, and vice versa.

To make classroom LogoWriter disks, use the following instructions. Certain steps have different instructions depending on whether you have a Primary or Intermediate kit. In these cases, the step is labeled *For Primary Kits* or *For Intermediate Kits*. If you are going to use LogoWriter on a hard disk or network, see the section "Installing LogoWriter on a Hard Disk."

Creating a Class Master Disk

A Class Master Disk is a disk that is set up for the printer and interface card used in a particular classroom. The disk can also contain any pages that you want to give to each student in a class.

Once the Class Master is created, you can make a copy of it for each student.

What you need:

- The LogoWriter Master Disk.
- One blank disk for the Class Master Disk.
- The name of the printer and the name of the printer interface card you will be using.

If you have access to a computer with two disk drives, use it to make and copy your disks. This will save you a considerable amount of time.

Step 1: Start Up the Disk Manager

Start up the Master Disk. You will see the Disk Manager main menu:

```
Create an Intermediate LogoWriter Disk
Create a Primary LogoWriter Disk
Create an Intermediate Scrapbook Disk
Create a Primary Scrapbook Disk
Copy a Disk
Set Up a Printer and Interface Card
Convert LogoWriter DOS to ProDOS
Convert ProDOS to LogoWriter DOS
Convert LEGO TC logo to ProDOS
Convert ProDOS to LEGO TC logo
Run LogoWriter
Quit
```

For Intermediate Kits

Step 2: Choose the Option "Create an Intermediate LogoWriter Disk"

Select the line "Create an Intermediate LogoWriter Disk." Press **Return**, then follow the steps presented on the screen. See "The Printer Menu" below.

Note: If you are not sure what to do, press the **?** key. A "help screen" of information will appear.

For Primary Kits
Step 2: Choose the Option "Create a Primary LogoWriter Disk"

Select the line "Create a Primary LogoWriter Disk." Press **Return**, then follow the steps presented on the screen.

Note: If you are not sure what to do, press the **?** key. A "help screen" of information will appear.

The Printer Menu

The Printer menu is a list of printer file names. The name of each file represents the name of a different printer. Choose the name that is closest to the name of your printer.

Note: If the printer you are using is the printer named as the "current setting," then you needn't change the setting. Press the space bar to go on.

File Names and Real Names for Printers

IMAGEWRITER.P	Apple ImageWriter I and II
IMAGEWR.COLOR.P	Apple ImageWriter II Color Ribbon
C.ITOH.P	C. Itoh (most models)
C.ITOH.PROWRI.P	C. Itoh ProWriter
CENTRONIC.122.P	Centronics Model 122
EPSON.P	Epson (and Epson compatible)
EPSON.AND.APL.P.	Epson when used with Epson APL card
OKIDATA.ML.92.P	Okidata Model 92
TI.855.P	Texas Instruments Model 855

All printer file names end with ".P" (for Printer).

If your printer is not in the list, it may be compatible with a printer that is listed. Many printers are Epson-compatible, for instance. Check your printer user's manual for compatibility information.

The Printer Card Menu

The Printer Card menu is a list of printer card names. The name of each file represents the name of a different printer card. Choose the name that most closely resembles your printer card.

Note: If the name of your card is the same as the printer card named as the "current setting," then you needn't change it. Press the space bar to go on.

File Names and Real Names for Printer Cards

SUPER.SERIAL.I	Apple Super Serial
SUPER.SERIAL7.I	Use for AppleShare
APPLE.PARAL.I	Apple Parallel
APRIC.P.PRO.I	Apricorn Printer Pro
APRIC.SERIAL.I	Apricorn Serial
EPSON.APL.I	Epson APL
FING.PLUS.PAR.I	Fingerprint Plus Parallel
FING.PLUS. SER.I	Fingerprint Plus Serial
FINGERPR.PARA.I	Fingerprint Parallel
GRAP.PLUS.PAR.I	Grappler Plus Parallel
GRAP.PLUS.SER.I	Grappler Plus Serial
GRAPPLER.SERI.I	Grappler Serial
MTK.DUMPL.GX.I	Microtek Dumpling GX
MTK.DUMPL.64.I	Microtek Dumpling 64
PARAGRAPH.I	Paragraph
PKASO.I	Pkaso
PRACTICAL.PER.I	Practical Peripherals
PRINT.IT.PARA.I	Print-it Parallel
SKYMAN.2001.I	Skyman 2001
TACKLER.I	Tackler

All printer card file names end with ".I" (for Interface card).

Step 3: Start Up the New Class Master Disk

Verify the LogoWriter disk you have just created by inserting it in a computer with the printer and printer card properly connected, and starting up the computer. When LogoWriter has started up, choose New Page, and then check that the printer setting is correct by typing:

```
rt 45 fd 500
printscreen
```

Type **leavepage** after the page is printed to return to the Contents page.

For Intermediate Kits

Step 4: Copy the Learn Pages or the Tools Pages (optional)

There are several LogoWriter pages provided on the Master Disk that you can copy if you choose.

If you have 5 1/4" disks, to see the pages, don't quit LogoWriter: remove your Class Master Disk and insert the original Master Disk with the reverse side up. Press **Escape** to see the Contents page of the reverse side of the disk.

If you have 3 1/2" disks, start up the original Master Disk again, and choose the option "Run LogoWriter." Press **Return** when prompted to see the Contents page.

The Learn Pages

There are four pages with Learn in the title, such as Learn1, Learn2, etc. These are tutorial pages intended for first-time LogoWriter users. If you wish, copy these pages onto your disk.

These pages are locked. To copy them:

- Get a page by choosing it from Contents.
- Remove the disk and insert your Class Master Disk.
- In the command center, type:

  `lock` Press **Return.**
  Press **Escape.**

- The page is saved and locked on the Class Master Disk. Remove it and reinsert the Master Disk (the reverse side on 5 1/4" disks). Press **Escape**, then copy another page.

The Tools Pages

There are some pages with the word **Tools** in the title, such as Math.tools and Word.tools. These pages contain LogoWriter procedures that are multi-purpose. If they are loaded into the workspace as tool procedures (with **gettools**), they become temporary additions to the LogoWriter language, which are not erased when pages are changed. If you wish, copy these pages onto your disk. Follow the previous instructions to copy the locked pages. For more information on tool procedures, see the *LogoWriter Reference Guide*, Appendix 3, *Tools*.

For Primary Kits 5 1/4" disks only
Step 4: Copy Special Primary LogoWriter Pages

Note: With 3 1/2" disks, the special Primary pages were automatically copied when you created your Class Master Disk. Skip to Step 5.

There are three special Primary LogoWriter pages on the reverse side of the Master Disk. To copy the pages, don't quit LogoWriter: remove your Class Master Disk and insert the original Master Disk with the reverse side up. Press **Escape** to see the Contents page of the reverse side of the disk.

The names of the pages are: Target, Kidtool, and Startup. These pages are locked. To copy them:

- Get a page by choosing it from Contents. When choosing the Startup page, hold down the **stop** keys (Ö-S) while the page is loading so the procedures on this page won't run automatically.
- Remove the disk and insert your Class Master Disk.
- In the command center, type:

  `lock` Press **Return.**
  Press **Escape.**

- The page is saved and locked on the Class Master Disk. Remove it and reinsert the reverse side of the Master Disk. Press **Escape**, then copy another page.

Step 5: Copy the Class Master Disk

Once you have set up your Class Master Disk with the correct printer and printer card, and containing the pages you want, you can make copies of it by quitting LogoWriter, restarting the Disk Manager, and choosing "Copy a Disk" from the main menu.

You will need a blank disk or a disk you want to erase for each copy you intend to make.

Step 6: Make a Scrapbook Disk for Each Student

A scrapbook disk is a disk that does not contain the LogoWriter program. A scrapbook disk has much more space for storing pages.

The "Create an Intermediate Scrapbook Disk" and "Create a Primary Scrapbook Disk" options will ask you to give a name to the disk (a volume name), and then it will format the disk and put on the appropriate Shapes page and a Help page. Use any name for the disk that will be easy to remember, but don't give two disks the same name.

If you prefer to change the Shapes page or the Help page for your class scrapbook disks, use LogoWriter to change it.

For Intermediate kits, you may also choose to give your class the Tools page or the Learn pages on the scrapbook disk, rather than on the LogoWriter disk. Use LogoWriter to copy these pages, as described in Step 4, *For Intermediate Kits*.

For Primary kits, the special primary LogoWriter pages are automatically copied onto 3 1/2" scrapbook disks. With 5 1/4" disks, copy the special Primary LogoWriter pages onto the scrapbook disks, as described in Step 4, *For Primary Kits*.

Once you have created the scrapbook disk that you want your class to use, copy it with the "Copy a Disk" option on the main menu.

Installing LogoWriter on a Hard Disk

You can't use the Disk Manager program to copy LogoWriter onto a hard disk; you can use LogoWriter's **copyfile** command to do the job.

Following are sample instructions to copy the files onto a hard disk.

The volume name of the LogoWriter Disk Manager is MANAGER.

For this example, let's call the hard disk volume HDISK.

Step 1: Start LogoWriter

Insert the LogoWriter Master Disk and switch on the computer. Select the option, "Run LogoWriter." If the computer automatically starts up the hard disk instead of LogoWriter or if a network takes control, quit to ProDOS and start LogoWriter from the floppy disk.

ProDOS will print the following message:

```
ENTER PREFIX (PRESS "RETURN" TO ACCEPT)
/MANAGER/
ENTER PATHNAME OF NEXT APPLICATION
LOGOWR.SYSTEM
```

LogoWriter will start up. Press **Return** when the LogoWriter "splash screen" appears, and on the Contents page, put the cursor on New Page and press **Return**.

Step 2: Create a Directory on the Hard Disk for LogoWriter

Remember to use the volume name of your hard disk instead of HDISK. Type:

```
createdir "%hdisk%logowriter
```

Step 3: Copy the LogoWriter Files From the Master Disk

Type:

```
copyfile  "%manager%logowr.system
"%hdisk%logowriter%logowr.system
copyfile  "%manager%logowr1
"%hdisk%logowriter%logowr1
copyfile  "%manager%logowr2
"%hdisk%logowriter%logowr2
```

LogoWriter is now on your hard disk in the directory named LogoWriter. If you choose, you can use a menu program to start LogoWriter automatically; otherwise, you will have to type in the directory and file name information to ProDOS before LogoWriter will start.

If you are using a printer other than the Apple ImageWriter and a printer card other than the Apple Super Serial Card, go to Step 4.

If you have a Primary kit, continue to Step 5 to copy the special Primary pages onto your hard disk.

Step 4: Copy the Printer and Printer Card Files

Note: If you have an Apple ImageWriter and an Apple Super Serial Card, skip this step.

Choose the Printer file that matches your printer. See the table in the Printer menu, or for a complete listing of the files on the disk, type:

```
print  filelist
```

The following instruction copies the file for the Epson printer (EPSON.P) onto the hard disk, naming it "default.printer."

```
copyfile  "%manager%epson.p
"%hdisk%logowriter%default.printer
```

Choose the printer card that matches your printer card. See the table in the Printer Card menu. The following instruction copies the file for the Grappler Plus Parallel printer card (GRAP.PLUS.PAR.I) onto the hard disk, and names it "default card."

```
copyfile  "%manager%grap.plus.par.i
"%hdisk%logowriter%default.card
```

For Primary Kits

Step 5: Copy Special Primary Pages

The instructions for 5 1/4" disks differ slightly from those for 3 1/2" disks. Follow the instructions for your size of Master Disk.

5 1/4" Disks Only:

The Primary pages are on the reverse side of 5 1/4" Master Disks. Don't quit LogoWriter: remove the Master Disk and reinsert it with the reverse side up.

Type:

```
copyfile  "%scrapbook%startup
"%hdisk%logowriter%startup
copyfile  "%scrapbook%target
"%hdisk%logowriter%target
copyfile  "%scrapbook%kidtool
"%hdisk%logowriter%kidtool
copyfile  "%scrapbook%pshapes
"%hdisk%logowriter%shapes
copyfile  "%scrapbook%help
"%hdisk%logowriter%help
```

3 1/2" Disks Only:

Type:

```
copyfile  "%manager%startupp
"%hdisk%logowriter%startup
copyfile  "%manager%target
"%hdisk%logowriter%target
copyfile  "%manager%kidtool
"%hdisk%logowriter%kidtool
copyfile  "%manager%pshapes
"%hdisk%logowriter%shapes
copyfile  "%manager%help
"%hdisk%logowriter%help
```

About Classroom Networks

There are several types of ProDOS based classroom networks on the market. LogoWriter 2.0 for Apple *II* computers has been tested on many of them. Each system has its own characteristics, and you should follow the manufacturer's setup guidelines when installing LogoWriter.

If you encounter difficulty installing LogoWriter on a classroom network, do not hesitate to call our technical support hotline.

The Disk Drive Slot

Often when a computer is connected to a network card or hard disk, the floppy disks are plugged into non-standard slots. LogoWriter can redirect its floppy disk commands to a different slot with the **setslot** command; for example, **setslot 4** will direct floppy disk operations to floppy disks plugged into slot 4. (Remember to use the **setdisk** command following the **setslot** instruction.)

The Disk Manager Menu

Create an Intermediate LogoWriter Disk

This option creates a disk which starts up LogoWriter, and is set up for a specific printer and interface card. The Shapes page on this disk is tailored for the material in the Intermediate kit.

Create a Primary LogoWriter Disk

This option creates a disk which starts up LogoWriter, and is set up for a specific printer and interface card. The Shapes page on this disk is tailored for the material in the Primary kit. As well, the 3 1/2" Primary LogoWriter disk contains the special Primary pages. With 5 1/4" disks, you must copy the Primary pages yourself.

Create an Intermediate Scrapbook Disk

This option creates a disk which is empty except for the Intermediate Shapes page and the Help page. A scrapbook disk is used for storing LogoWriter pages. A LogoWriter disk can also store LogoWriter pages, but has less space available than a scrapbook disk.

Create a Primary Scrapbook Disk

This option creates a disk which is empty except for the Primary Shapes page and the Help page. On 3 1/2" disks, the Primary scrapbook disk also contains the special Primary pages. With 5 1/4" disks, you must copy the Primary pages onto the disk yourself.

A scrapbook disk is used for storing LogoWriter pages. A LogoWriter disk can also store LogoWriter pages, but has less space available than a scrapbook disk.

Copy a Disk

This option will copy any ProDOS LogoWriter disk. Use it to copy a Class Master Disk that has been set up and tested with your printer and printer card, or to copy a scrapbook disk with all its pages.

Note: You can copy a 5 1/4" disk onto another 5 1/4" disk, or a 3 1/2" disk onto another 3 1/2" disk, but you can't copy to a different disk size. A Tools page, with procedures which copy pages to and from different disk sizes, has been provided on the Master Disk.

Set Up a Printer and Interface Card

Use this option to change the printer setting of any previously set up LogoWriter disk. You can safely change the printer or interface card setting without risk to your pages.

For a complete description of the printer and card setup, see the Printer menu and the Printer Card menu.

Convert LogoWriter DOS to ProDOS

The disk operating system (DOS) used by LogoWriter 1.0 and 1.1 for Apple *II* computers is a special LogoWriter DOS. Disks created by these versions must be copied onto ProDOS disks to be used by LogoWriter 2.0.

Occasionally, while a disk is being copied, you may be asked to choose a different name for a page. This is because ProDOS has naming restrictions for files which do not exist in LogoWriter DOS.

Convert ProDOS to LogoWriter DOS

This option copies LogoWriter pages created by LogoWriter 2.0 onto a LogoWriter 1.1 scrapbook disk. There are limits: a LogoWriter 2.0 page can have twice the amount of text of a version 1.1 page, and the message "page too large" may appear. You will have to use LogoWriter to cut and paste a large page into two or three smaller pages.

Convert LEGO® TC logo to ProDOS

LEGO® TC logo is an LCSI product which offers some of the features of LogoWriter but is especially designed for computer control of LEGO motorized construction sets. Conversion of LEGO TC logo into ProDOS is useful for sending LEGO TC logo pages via modem: they can be converted to ProDOS, transmitted by a ProDOS based program, and at the receiving end, converted back into LEGO TC logo pages.

Occasionally, while a disk is being copied, you may be asked to choose a different name for a page. This is because ProDOS has naming restrictions for files which do not exist in LEGO TC logo.

Convert ProDOS to LEGO® TC logo

The restrictions on page size are the same in LEGO TC logo as in LogoWriter 1.1.

Run LogoWriter

This option allows you to run the LogoWriter program from the Master Disk. However, since the 5 1/4" Master Disk is limited in space and is write-protected, use this option only when you need to copy the pages on the reverse side of this disk. Before beginning to use LogoWriter, create your own LogoWriter disk, and store the Master Disk in a safe place.